

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

COUNTRY **Hungary**

REPORT

SUBJECT **Military and Civilian Cartographic Facilities and Programs**

DATE DISTR.

NO. PAGES **3**

DATE OF INFO.
PLACE &
DATE ACQ.

THIS IS UNEVALUATED INFORMATION

1. The Military Cartographic Institute, Mavred Terhegyeseti Intezet (MTI), is located at Malinovsky Fasar 7 - 9, Budapest XII. The building had a regular military guard, comprised of 80 to 25 soldiers taken from the Budapest Guard Battalion. The whole guard was changed every 24 hours at 2:00 p.m. daily. Four guards were constantly on duty and these units were changed every two hours. Guards were armed with rifles or machine pistols and had orders to open fire after the second call to halt. Only approved personnel, equipped with identification cards, were permitted to enter the MTI Headquarters. All cards were checked by the guard on duty at the main entrance. Even military personnel not directly employed at MTI were required to have a special pass from the Ministry of Defense before they could come into the MTI.
2. Movement was also restricted within the MTI. For instance, the library room could only be entered for official business and with the permission of a department head. After working hours each desk and drawer in the building is locked. Each door is locked by a regular lock plus a security lock, and all doors are checked by the officer on duty. If some one wants to work late, he must have the authorization of a department head and the last person who leaves a room after regular working hours must call the officer on duty to check each drawer and cabinet and to lock the door with the security lock.
3. Topographic rectification to bring all maps up to date was completed in 1952. A new survey using the Gauss-Krueger system was started in 1953 and was expected to be completed sometime between 1960 and 65. Although there was a plan in this new survey to make the base map in the scale of 1:10,000 after the Soviet pattern, the actual survey started in the scale of 1:25,000.
4. ☐ never saw any civilian additions of any large scale military map. So called educational maps in the scale of 1:500,000 or smaller were available but there was a law under which any person possessing a contour map (that is a map with contour lines relating altitudes to sea level) in large scale than 1:500,000 could be punished by one or more years in prison.

C-O-N-F-I-D-E-N-T-I-A-L

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5. NTI had a training program for map officers to be assigned to army divisions. Such officers handled map distribution and registration within the division. Another function was to advise the division commander in matters pertaining to terrain while on maneuvers and to carry on surveying, aerial photography and map plotting.
6. Duties Performed by Miscellaneous Departments of NTI:
 - a. Aerial Photogrammetric: Taking photographs, developing films made by the department. Rectification of photos, photomosaics and sometimes ground control surveying, however this was usually done by the geodetic department. Aerial surveying of mountains and plain, flat areas, supplying other departments with contact copies or rectified photographs.
 - b. Cartographic: Map drafting in five colors, red, yellow, black, green and blue. One basic map, paper mounted on aluminum board, consisting of all the horizontal details, buildings, roads, vegetation's boundary, bridges, creeks, lakes and rivers. One contour sheet, one name-sheet, one vegetation qualifying sheet. The drafting is made on a blue-printed sheet, the print is made from the topographer's worksheet. The print is in 1:20,000. Making smaller scale maps, 1:50,000, 1:100,000 by generalization. Computing corner point coordinates for sections. Selecting the right nomenclature for maps. Prescribing the proper size and form of names used on maps to the printing shop. Making illustrations, elevation shown by different colors, shadows, lines, educational aids, maps, relief maps.
 - c. Geodetic: Leveling, triangulation, usually IV V order, ground control surveying for aerial photogrammetric department. Monument establishment. They provide the necessary basis of horizontal and vertical base points for the topographic department.
 - d. Scientific: Compilation of foreign professional books, magazines, research, relations with universities, miscellaneous scientific establishments, and improving methods.
 - e. Technical: Lithography, photography and typography, all functions of map printing. The instrument shop repairs the instruments, develops new instruments and miscellaneous devices for the departments.
 - f. Topographic: Topographic surveying in plane table method, (very seldom triangulation) leveling. Country surveying, taking photographs of characteristic points, recording the characteristic data of villages, towns, cities, number of population, social structure of the population, and names of reliable people in the community. In other words, all the information that might be helpful to a military unit. On each job, usually one topographer per village, or per section, one section 8 x 8 kilometer or 60 to 64 square kilometer.
7. Budapest Geodetic and Cartographic Enterprise (BGIV):
 - a. The BGIV was located at Anker hos 1, Budapest VI. It was an independent unit of the Committee of Ministers and its work was based on the data of Magyar Földmérési és Tervezési Hivatal and the Földmérési és Földnyilvántartási Felügyelőség. The BGIV's 1:5,000 survey was made on the above two organizations so called "katasteri" map. In obtaining its geodetic data, BGIV coordinated its efforts with the NTI and the Hungarian Geological Institute. The Geodetic data was based on the Budapest Gellertberg (Tower top of observatory) and Molo Sartorio (Trieste). The latter was changed to Kronstadt in 1953 by the NTI and in 1954 by the BGIV.

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b. The 1:500,000 map did not have a military version and until 1954 no 1:500,000 maps were printed, the sheets being stored in the office of the topographic department. Later the sheets were redrawn by the cartographic enterprise and may have been printed by now (1959).

c. The completion date of the 1:5,000 survey program is not known. There was always a great rush to get the sheets finished but as the aims of the national economy changed, the surveying area was constantly changed and there was always a shortage of money. In theory, the security classification of the 1:5,000 sheets was the same as that of the RTI, but in practice this was never enforced. In addition to its 1:5,000 mapping program, the BGTV had other programs such as city surveying, canal surveying, and land registration and surveying for the collective farms.

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The topographic surveying of Hungary was completed in areas shown till the summer of 1955 by the Budapest Geodetic and Cartographic Enterprise /BGTV/.

Mainly numerical method, only a few sheets were surveyed by plane table method.

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VERTICAL FILE
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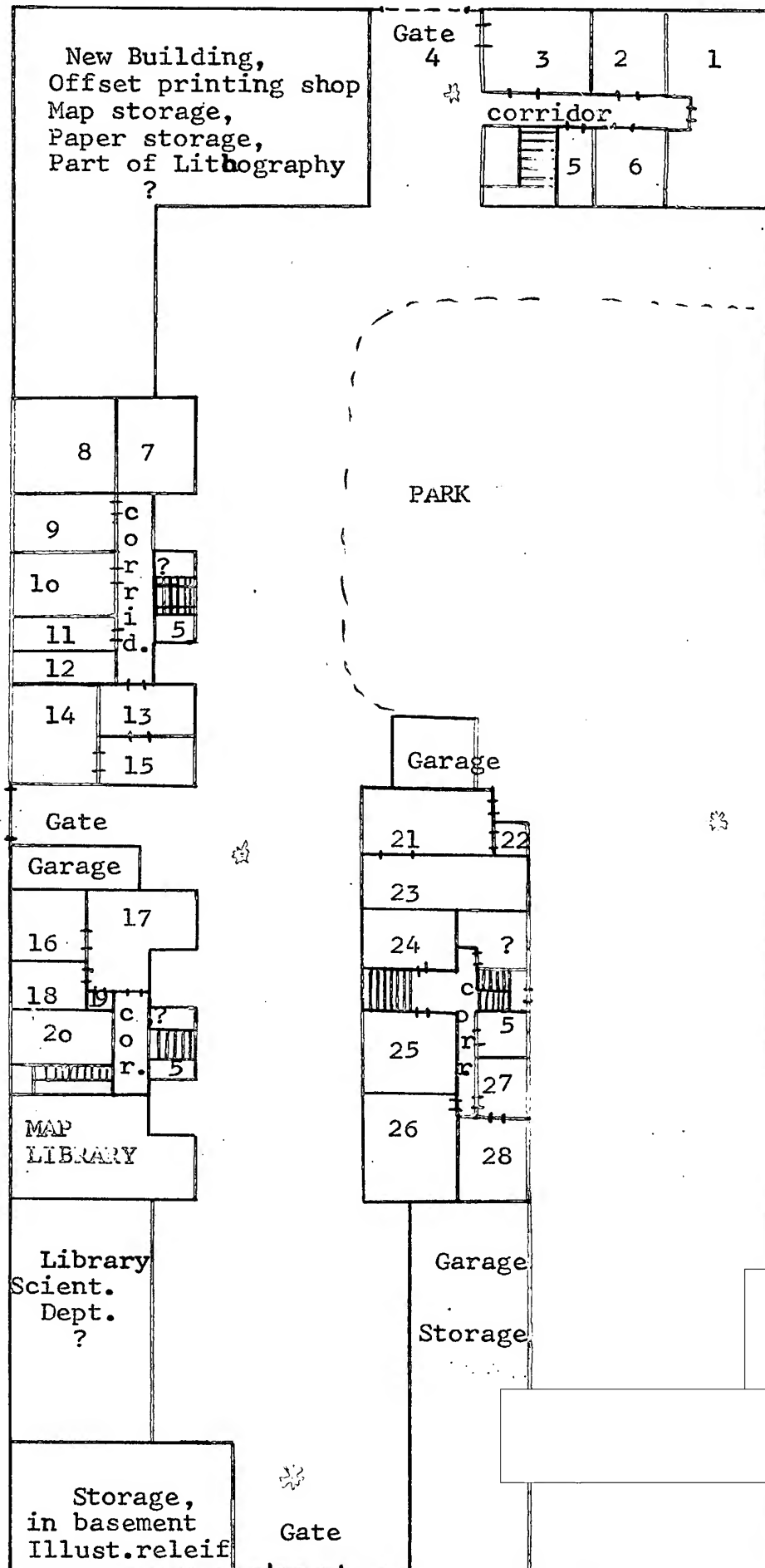
Malinovsky Avenue

HTI

FLOOR PLAN
Ground floor

Ezred st.

Guards locations



Stone Wall

25X1

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FLOOR PLAN
Ground Floor.

CONFIDENTIAL

1. Room of the guard
2. Telephone Exchange.
3. Room of the officer on duty.
4. Gateway.
5. Restroom.
6. Cell /?/
7. Lithographic Dept.
8. " "
9. Illustration /Graphic/
10. Small scale cartography.
11. Doctor's office. / waiting room./
12. " "
13. Photo lab.
14. " "
15. " "
16. Photogrammetric Dept. Stereo
17. " " Plane
18. " " Office of the head of dept.
19. Darkroom.
20. Rectifying room. /Plane./
21. Instrument Shop.
22. Storage Room.
23. Instrument Shop.
24. Geodesic Dept.
25. Storage for the Photogrammetric Dept.
26. Office of the transportation, officer of vehicles.
27. Paper and drafting instruments, storage of office supply.
28. Office of the officer of maintenance.

CONFIDENTIAL

FLOOR PLAN.
Second Floor.

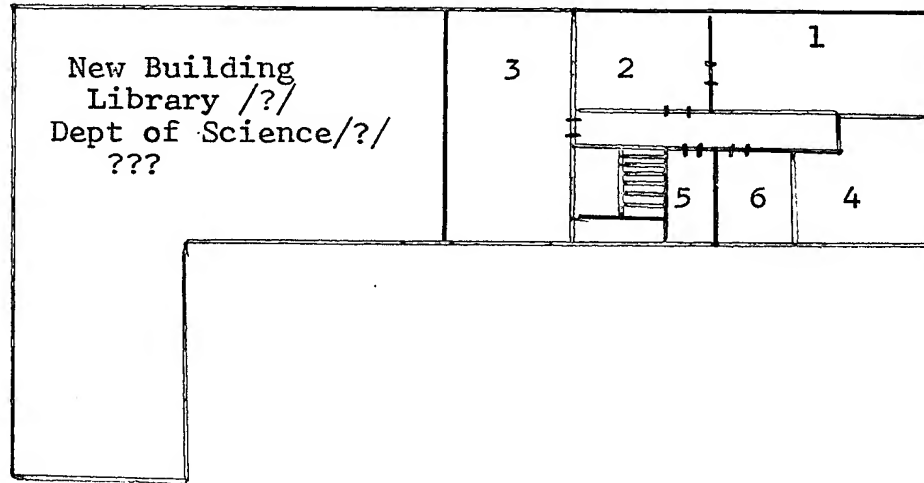
CONFIDENTIAL

1. Office of the commander.
2. Commander's assistant officer.
3. Office of the technical commander. /?/
4. Office of the commander of staff.
5. Restroom.
6. Office of Qualified, secret administration.
7. Drafting room / 2 nd. subdiv. /
8. " " " "
9. Receptionist of the head of dept. /Cartographer. /
10. Office of the head of dept.
11. Nomenclatura registration.
12. Drafting room / 1 st. subdiv. /
13. " " " "
14. " " " "
15. " " " "
16. Drafting room. /?/
17. " " /?/
18. " " /?/
19. Room of the old command. /during the building of the front part. /
20. " " " "
21. " " " "
22. Living Quarters of the Cartographer, Officers' School, Schoolrooms.
23. Kitchen.
24. Dining room.
25. " "
26. Bookkeeping. /?/
27. Office of the foodsupplying sect.
28. Office. /?/
29. " /?/

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NUMBER THREE CCONFIDENTIAL

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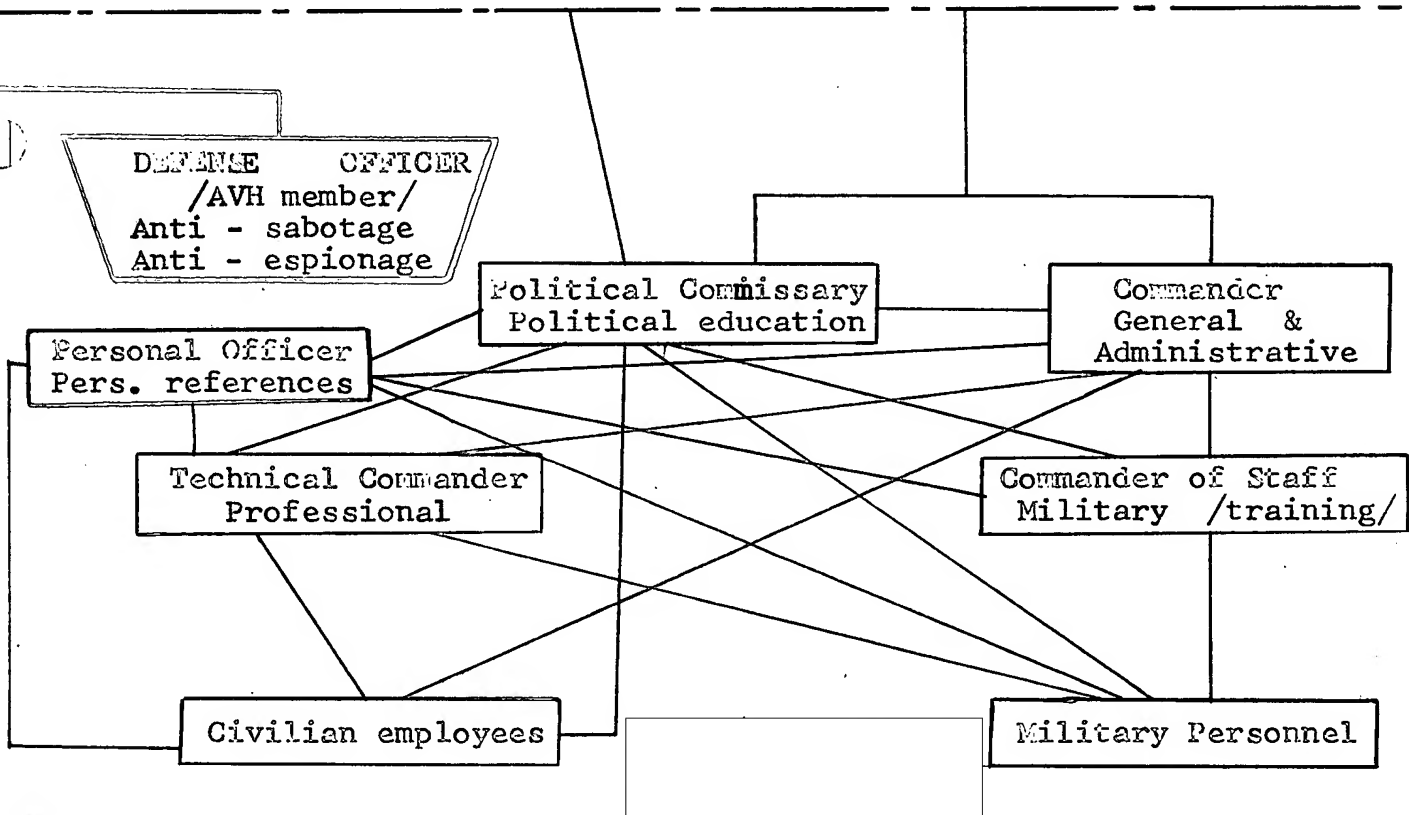
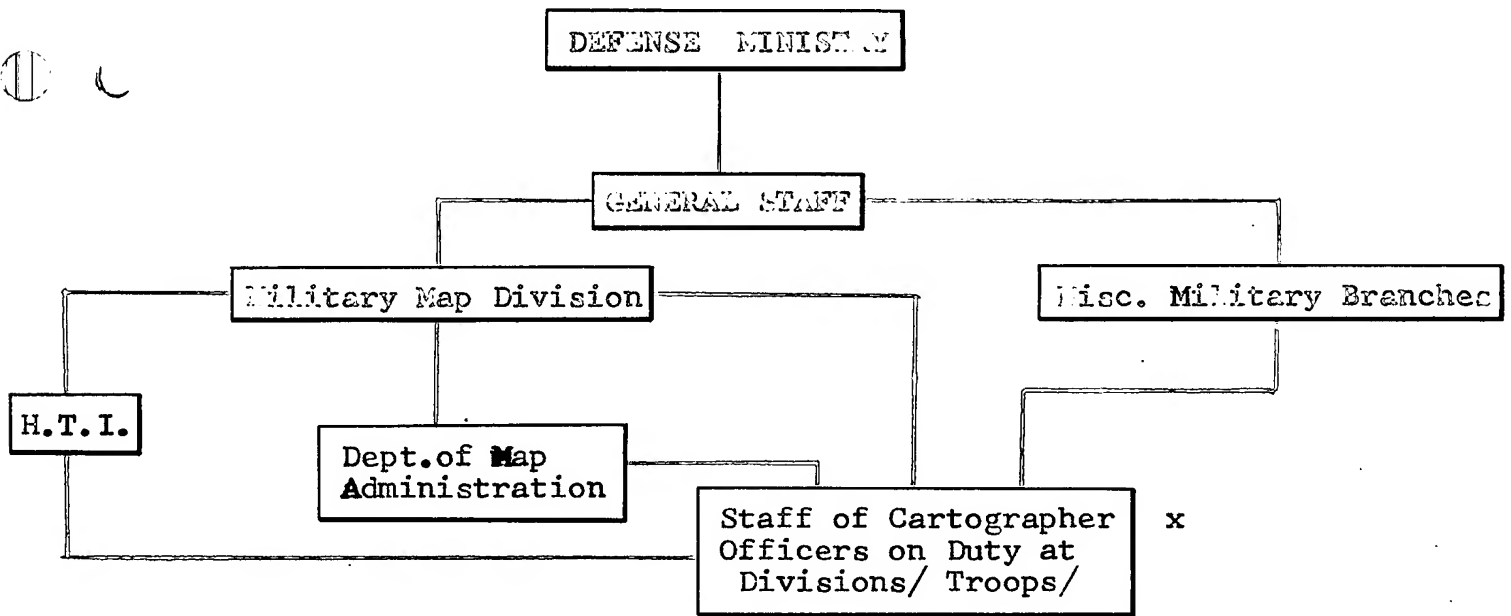
FLOOR PLAN.
Third Floor.

1. Political dept.
2. Political commissary.
3. Office of the personal officer.
4. Office of the defense officer.
5. Restroom.
6. Office /?/

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VERTICAL FILE

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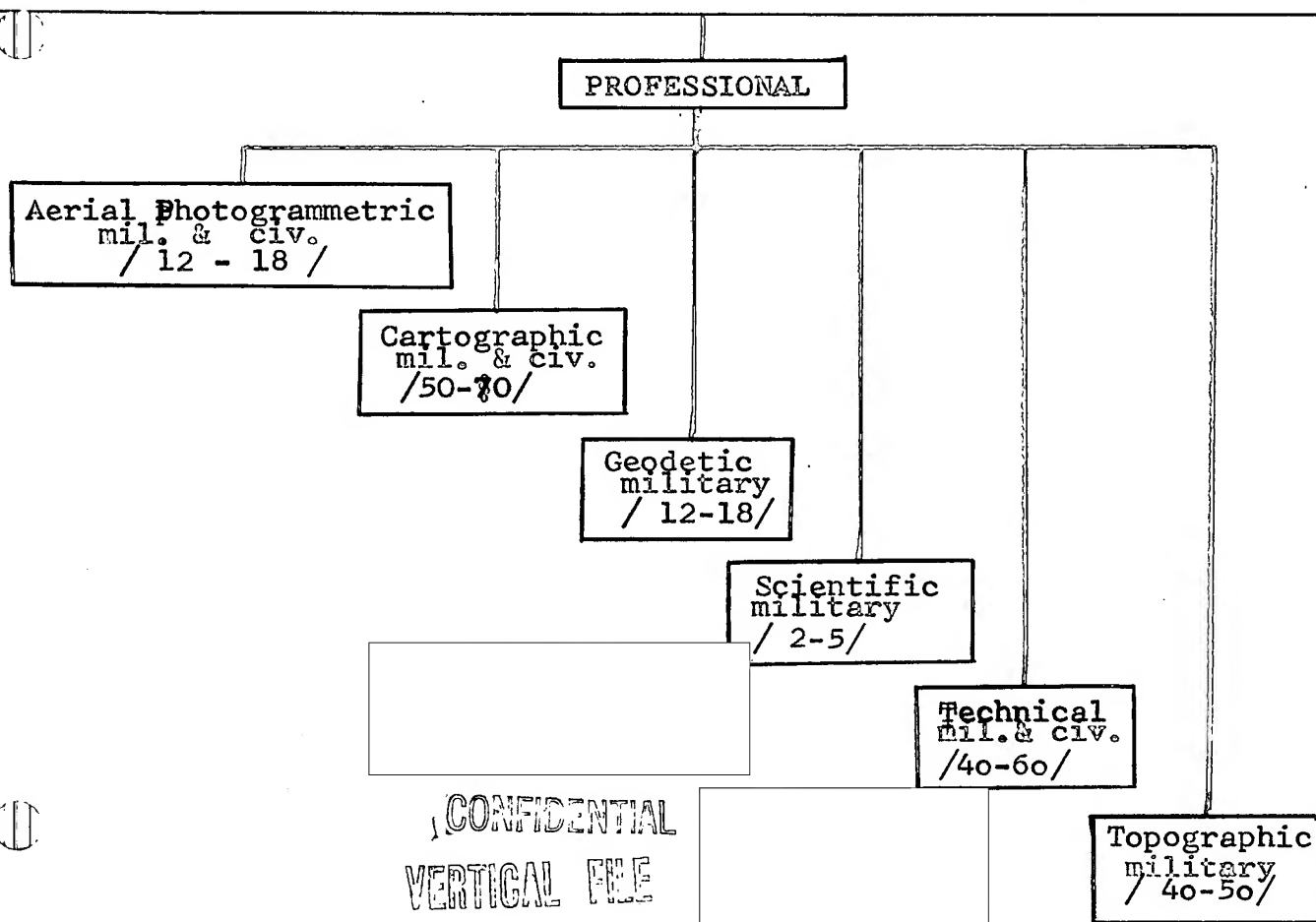
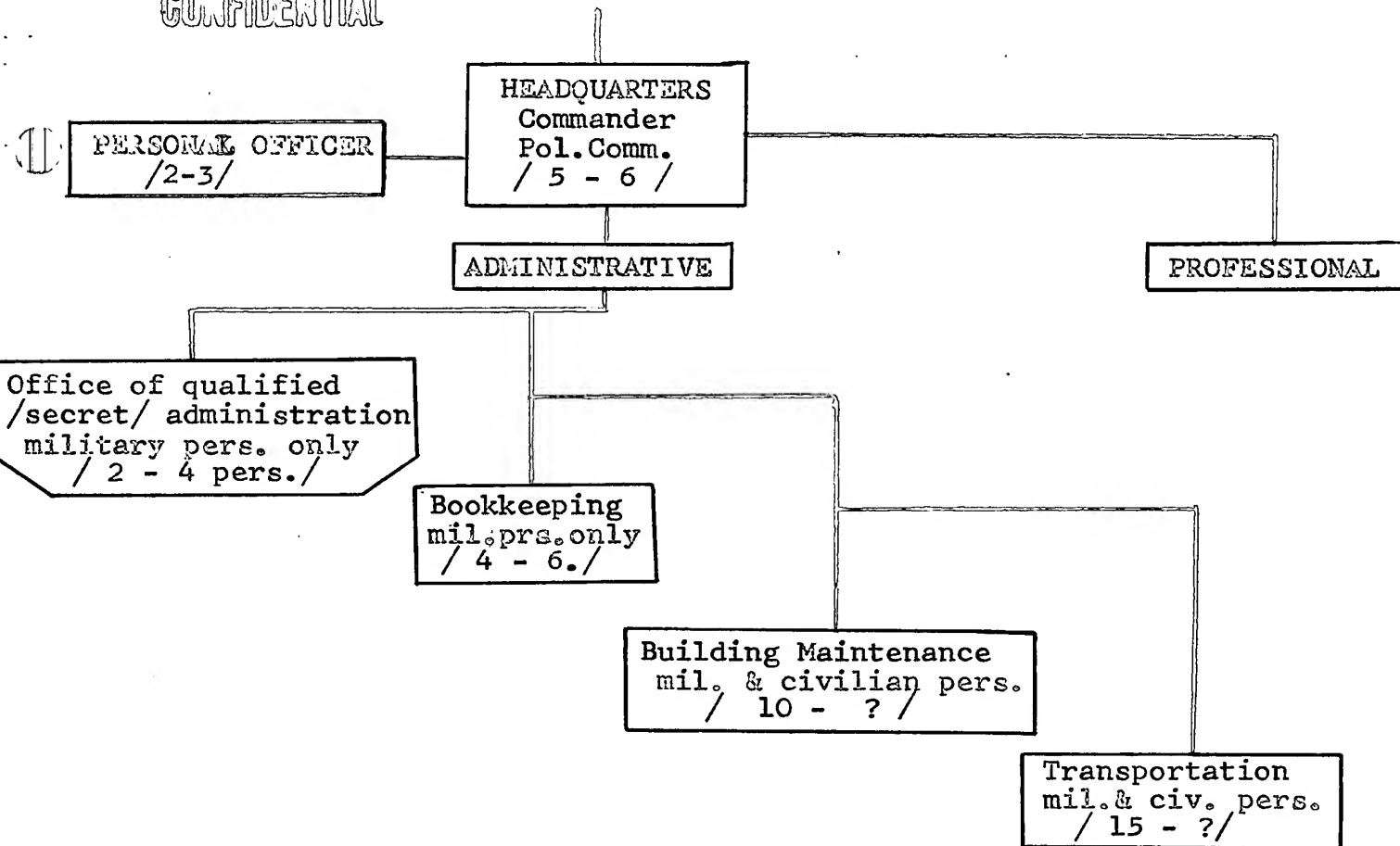
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Cartographer Officer on duty at divisions = trained Cartographer officer on duty at different divisions /cca. 12,000-15,000 men/ to administrate the map distribution, map registration, to instruct the officers of the division, to advise to the commander of the division in wartime and manœuvre, and performs the necessary surveying, aerial-photo qualification, and plotting. Those officers were trained by HTI.

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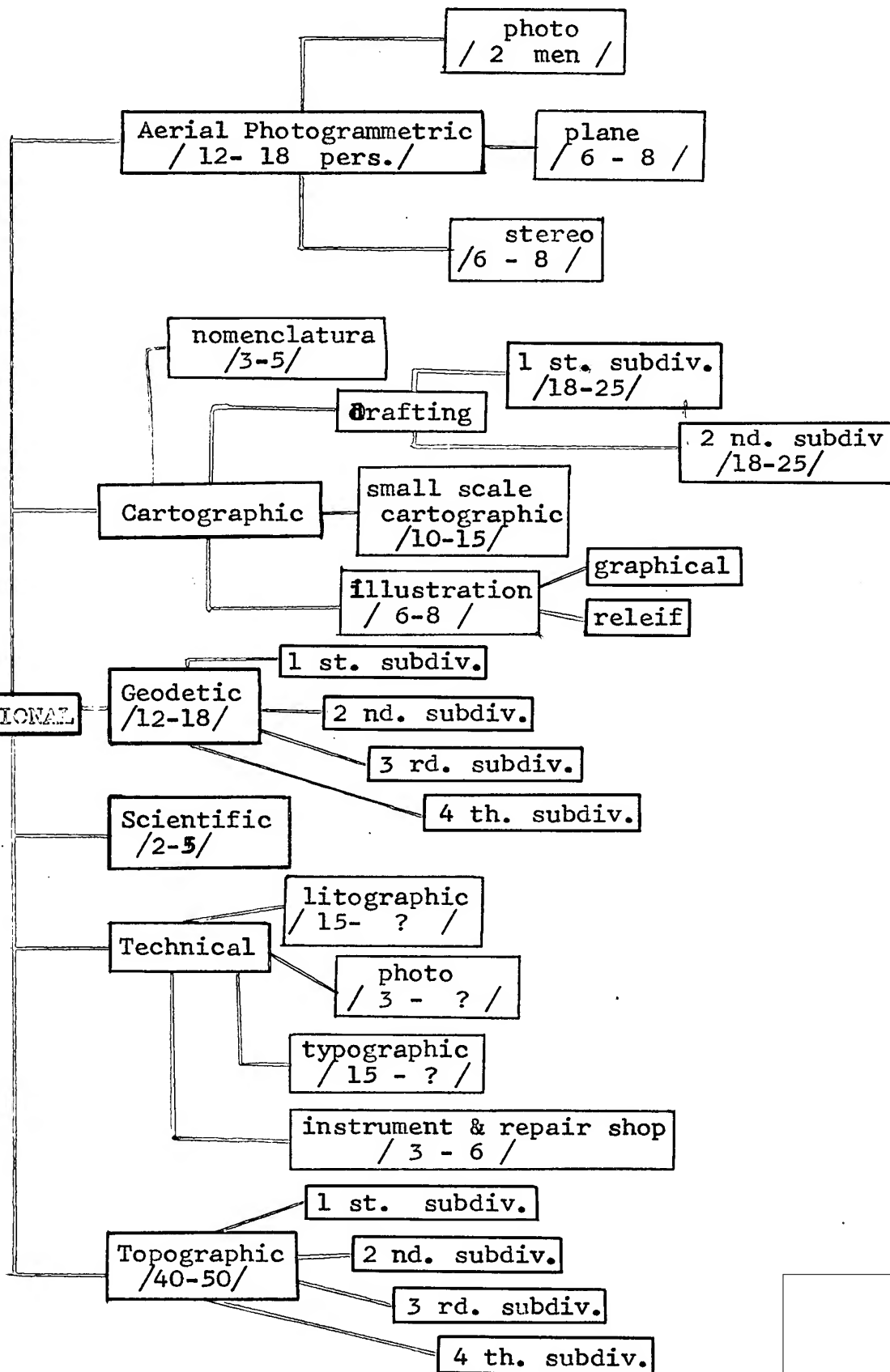
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NUMBER TWO**CONFIDENTIAL**

The topographic rectification⁺ of Hungary was finished in 1952.
 The new topographic surveying in Gauss-Krueger system started at the spring of 1953 in the areas shown.

The surveying was made in plane-table method.

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⁺ Topographic rectification = adjusting the map up to date, without actual surveying, / unless absolutely necessary / on the field, by comparison, with the help of aerial-photos.

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VERTICAL FILE**

BUDAPEST

INNER PART
PARTIE INTÉRIEURE
INNENBEZIRKE
ВНУТРЕННЯЯ ЧАСТЬ

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KARTOGRAFIAI VÁLLALAT
BUDAPEST, 1957.

BUDAPEST
KERÜLETEI
DISTRICTS • ARRONDISSEMENTS • BEZIRKE
РАЙОНЫ

1. Main building of the Military Cartographic Institute (MTI).
2. Small building of the Budapest Geodetic and Cartographic Enterprise (BGTV).
3. Defense Ministry (Head of Mapping Department of MTI had his office here).
4. Budapest Capitol Military Command (Killean Building) MTI's printed maps were stored in the basement of this building, destroyed completely during 1957 Revolution. Maps being all burned or buried in rubble of building.

J E L M A G Y A R Á Z A T

REFERENCE * EXPLICATION DES SIGNES * ZEICHENERKLÄRUNG * УСЛОВНЫЕ ЗНАК

	Pápayador Pápayador (Name) / Pápayador Bosna		Enikő Monument / Danerica
	Hajdócsiga Pápay / Scaturation / Pápay		Torony Tower / Tour / Turn
	Szibiz Pápay / Theatre / Theater		Iszolda Iszolda / Iszolda
	Mozl Mozl / Cinema / Kinos		Run Run / Run / Pyne
	Kék, rendelő Infirmary / Hospital		Villamos, előváros Károlyi
	Órnyék, Antónia Cinema, pályaszor		Travny, loain várm. Czervny
	Órnyék, Antónia Cinema, pályaszor		Travny, loain loain Czervny
	Órnyék, Antónia Cinema, pályaszor		Travny, loain loain Czervny
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UTCAJEGYZÉK

STREET REFERENCE - INDEX DES RUES - STRASSENVERZEICHNIS - CIRCULATIIA

A street is a public thoroughfare, whether paved or unpaved, which is used for the purpose of travel, and which is under the control of the city or town.

The street names are listed in alphabetical order. The street names are listed in alphabetical order. The street names are listed in alphabetical order.

Alex. XIV. 12. 1
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AUTOBUSZVONALAK

Table with 2 columns: Line Number and Route Description. Includes lines 1 through 67.

VILLAMOSVONALAK

Table with 2 columns: Line Number and Route Description. Includes lines 1 through 45.

TRAMWAY LINES

Table with 2 columns: Line Number and Route Description. Includes lines 1 through 62.